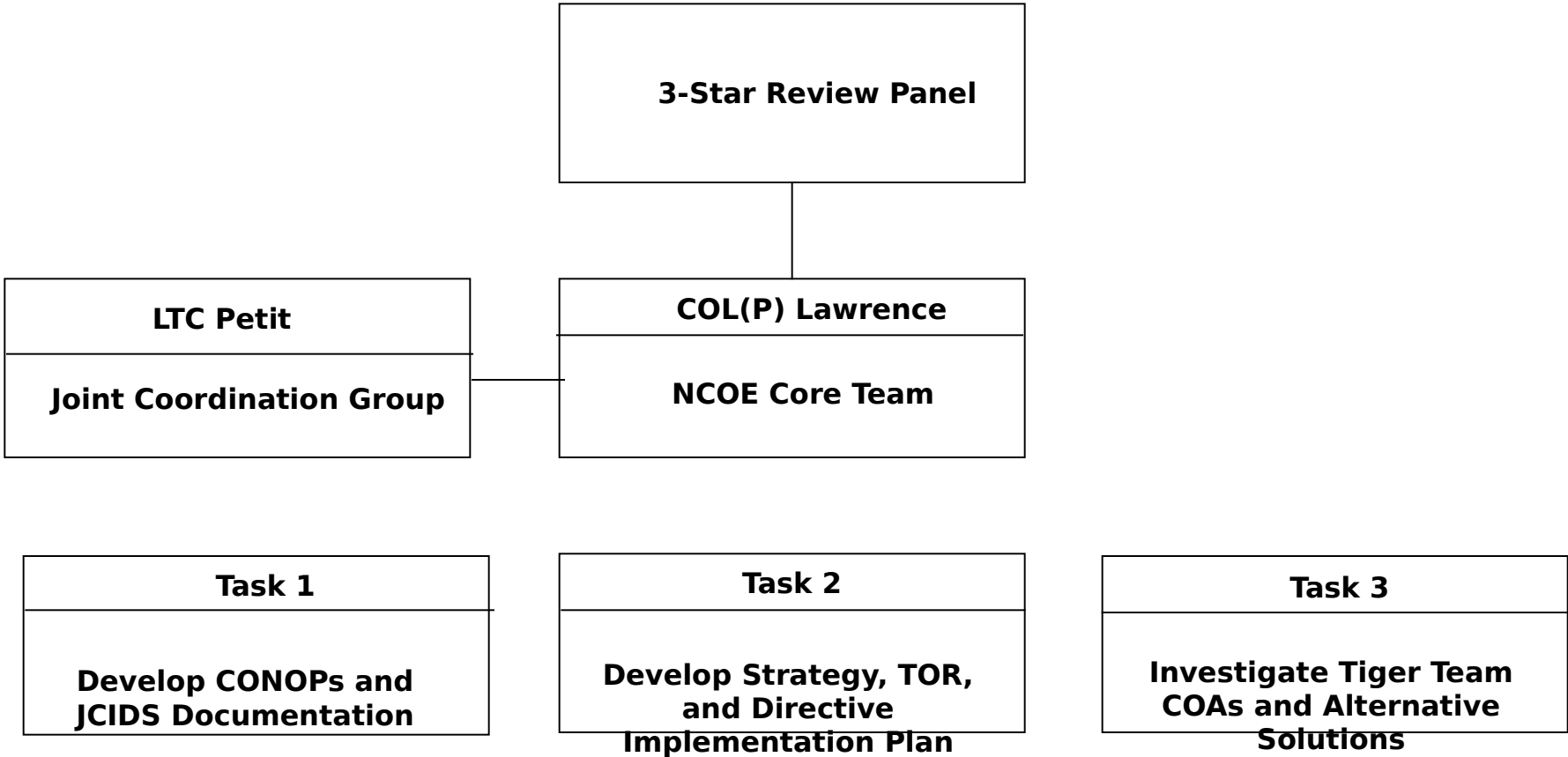




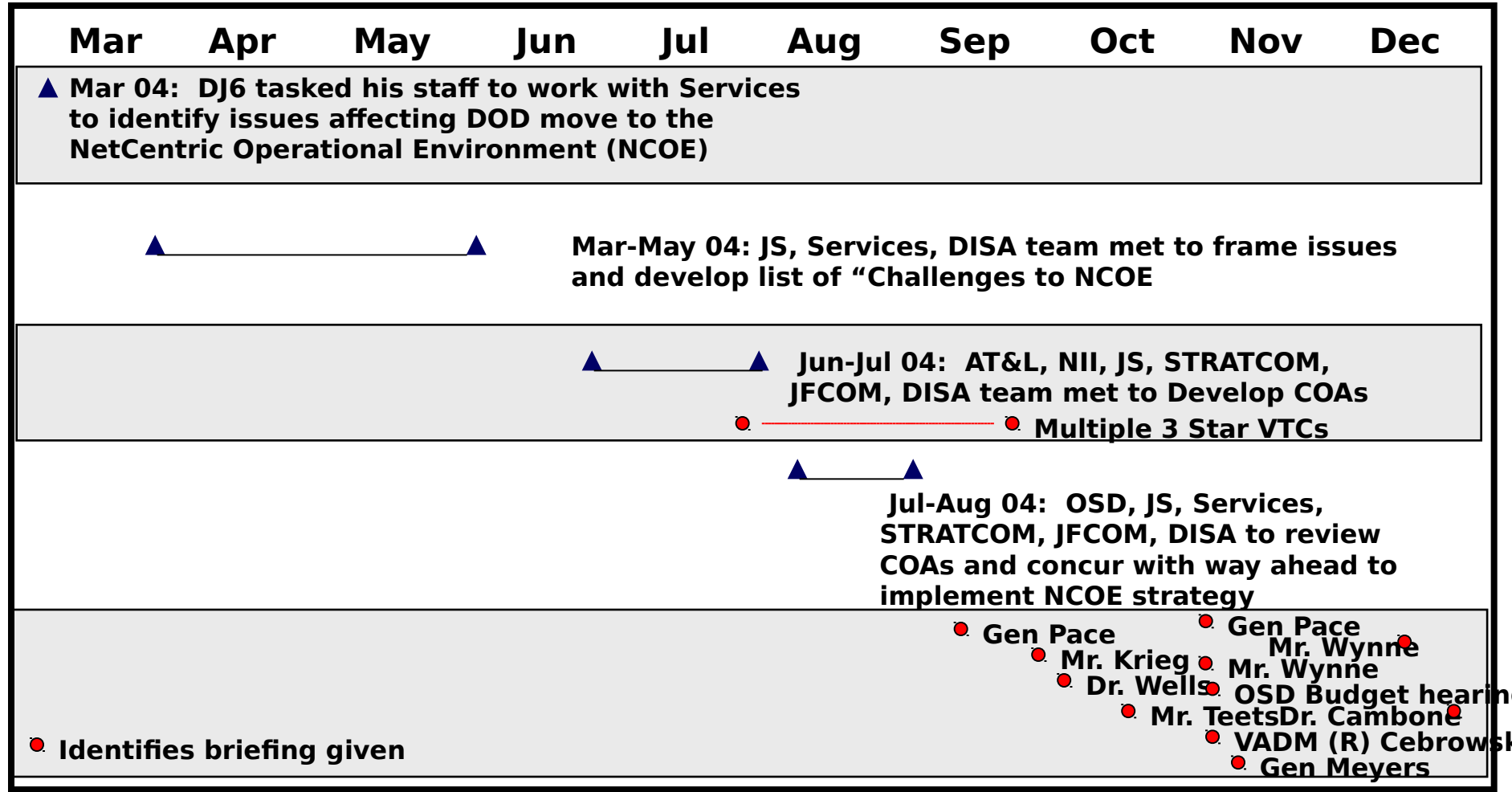
Net-centric Operational Environment

**To provide information about the Net-Centric
Operational Environment (NCOE) Project**

Task Organization



How We Got Here



"... Single-most transforming thing in our force will not be a Weapon System, but a set of interconnections..."

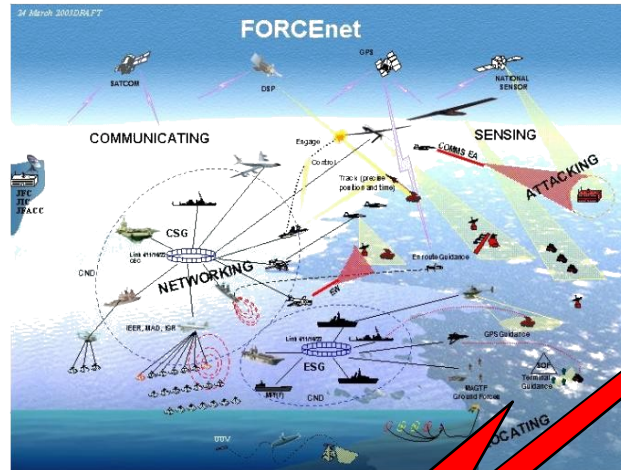
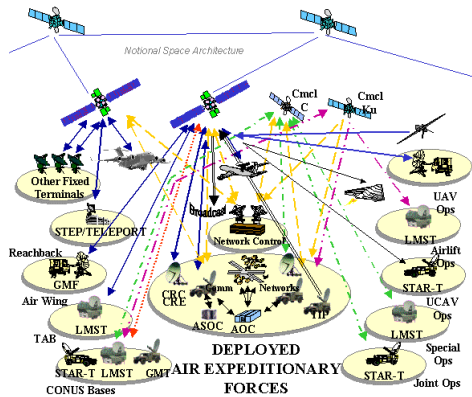
Secretary of Defense, Donald Rumsfeld, August 2001

Challenges to Achieving NCOE

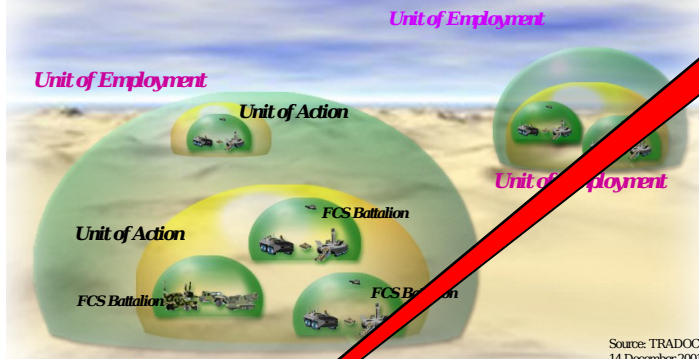
- Unclear roles and responsibilities of DOD C4 stakeholders (OSD, The Joint Staff, Services, COCOMs and DISA); Duplication of efforts and creation of seams and gaps
- Joint C4 vision, strategy and definitions misunderstood (Terms of Reference)
- Inability to keep concept development in step with technology
- Cultural Challenges – Transformation requires us to change how we operate today and “Operationalize the Network”
- Historically disjointed approach to identifying, acquiring, testing, evaluating, integrating and fielding Joint C4 capabilities; Allowing the JCIDS process time to work
- Implementing the forcing functions to drive synchronization of Joint C4 capabilities
- Lack overall Joint Integrating Architectures and end-to-end systems engineering
- Inadequately trained, educated and certified Joint C4 Personnel and network users
- Lack of Joint Configuration Management
- Inadequate Network Management
- Unresolved Information Assurance issues

Why Urgent Now?

ConstellationNet



LandWarNet



No Effective Joint End-to-End Systems Engineering
No Joint Configuration Management
No Joint Capability Risk Management
No Joint Training for Network Operations
No Joint Network Management
No Joint Spectrum Solution
No Complete IA Solution

Initial Tiger Team Recommendations

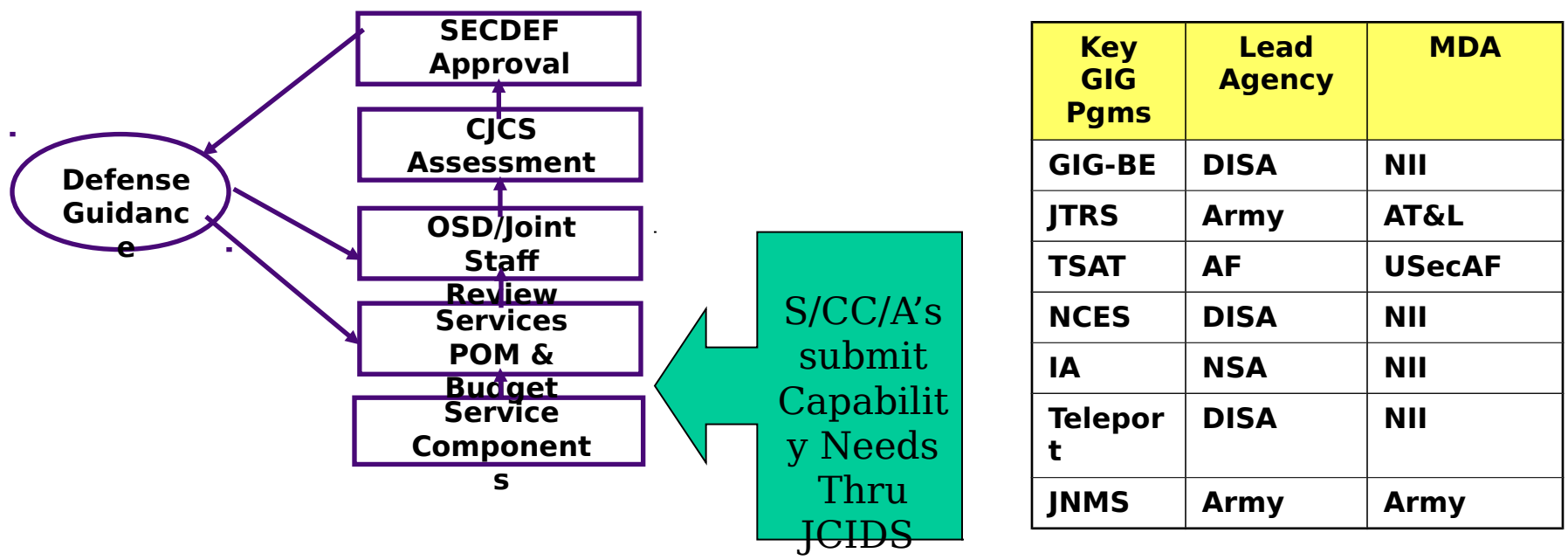


Timid

Bold

OBJECTIVE: SEAMLESS, INTEGRATED NET-CENTRIC CAPABILITIES TO THE FORWARD EDGE OF THE BATTLESPACE ENABLING FULL SPECTRUM DOMINANCE

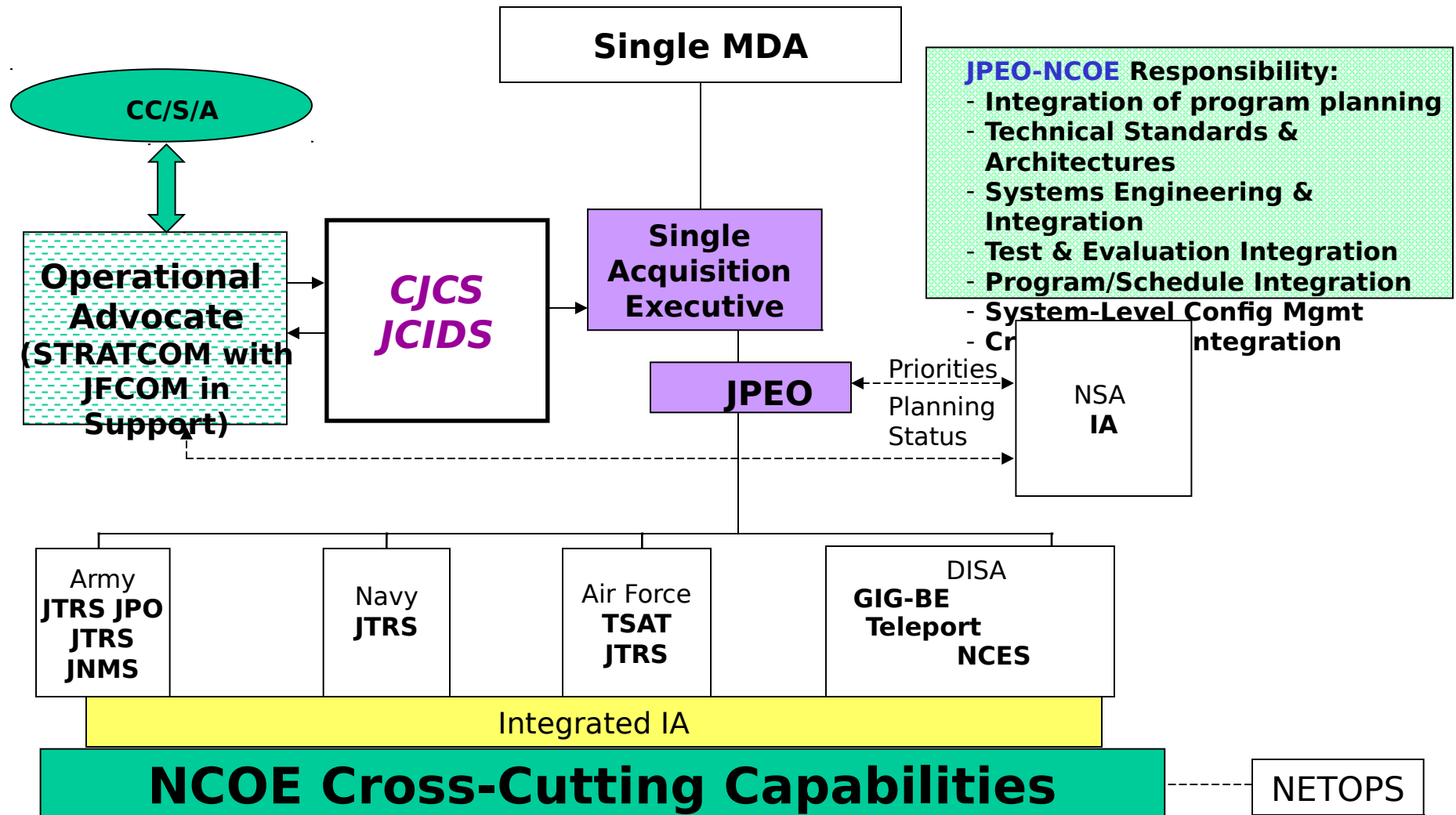
Option 1: Improve Planning and Direction



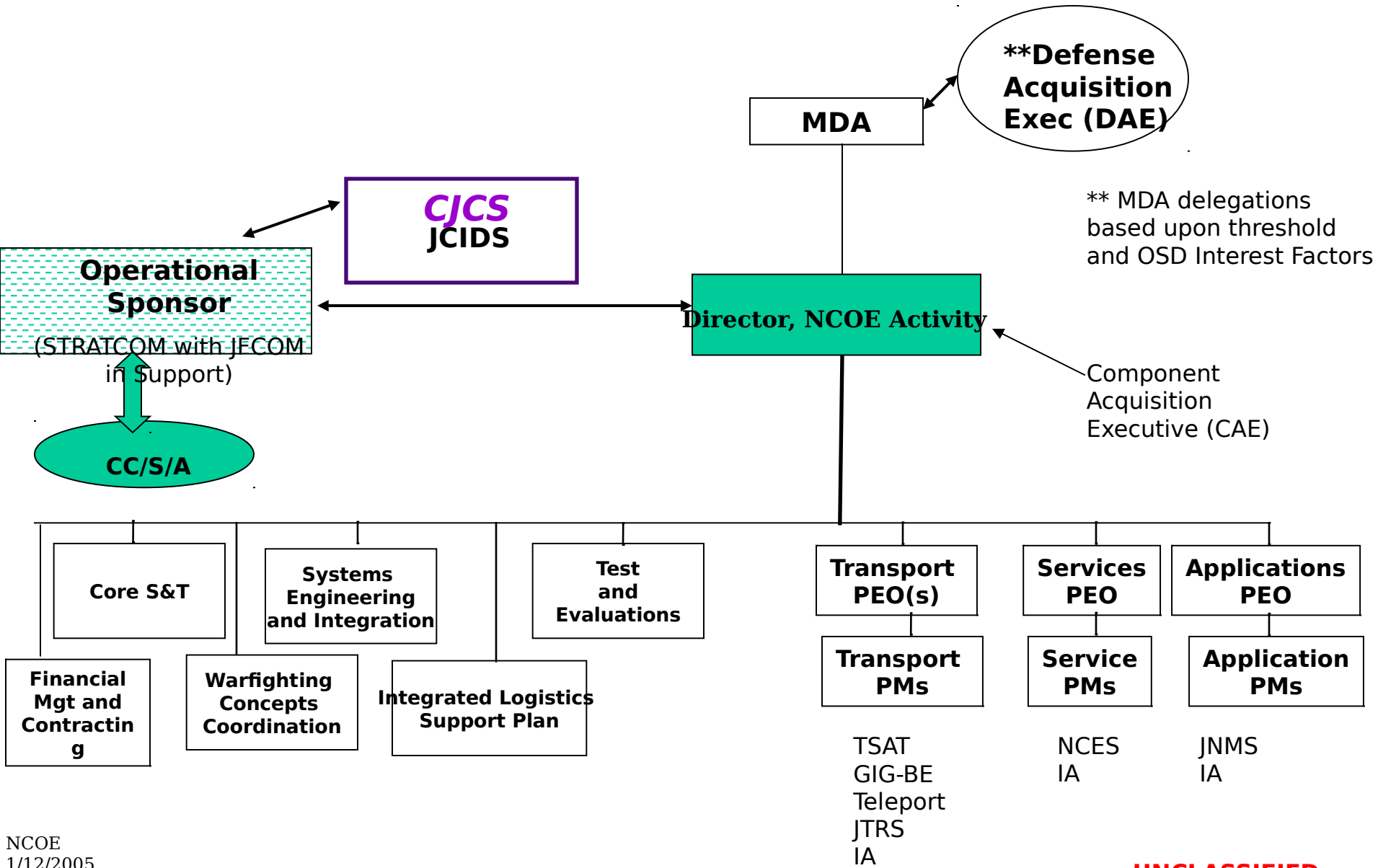
- Develop a NCOE Strategy and Implementation Plan; include a time phased transition plan from legacy to future
 - Develop Terms of Reference with Clear Lines of Authority & Responsibility
 - Integrate Overarching Capabilities Development, Joint Systems Engineering, Test & Evaluation, Training and Fielding

Synchronization

UNCLASSIFIED Option 2: JPEO under a Single Acquisition Executive



Option 3: NCOE Joint Activity



The NCOE Way Ahead

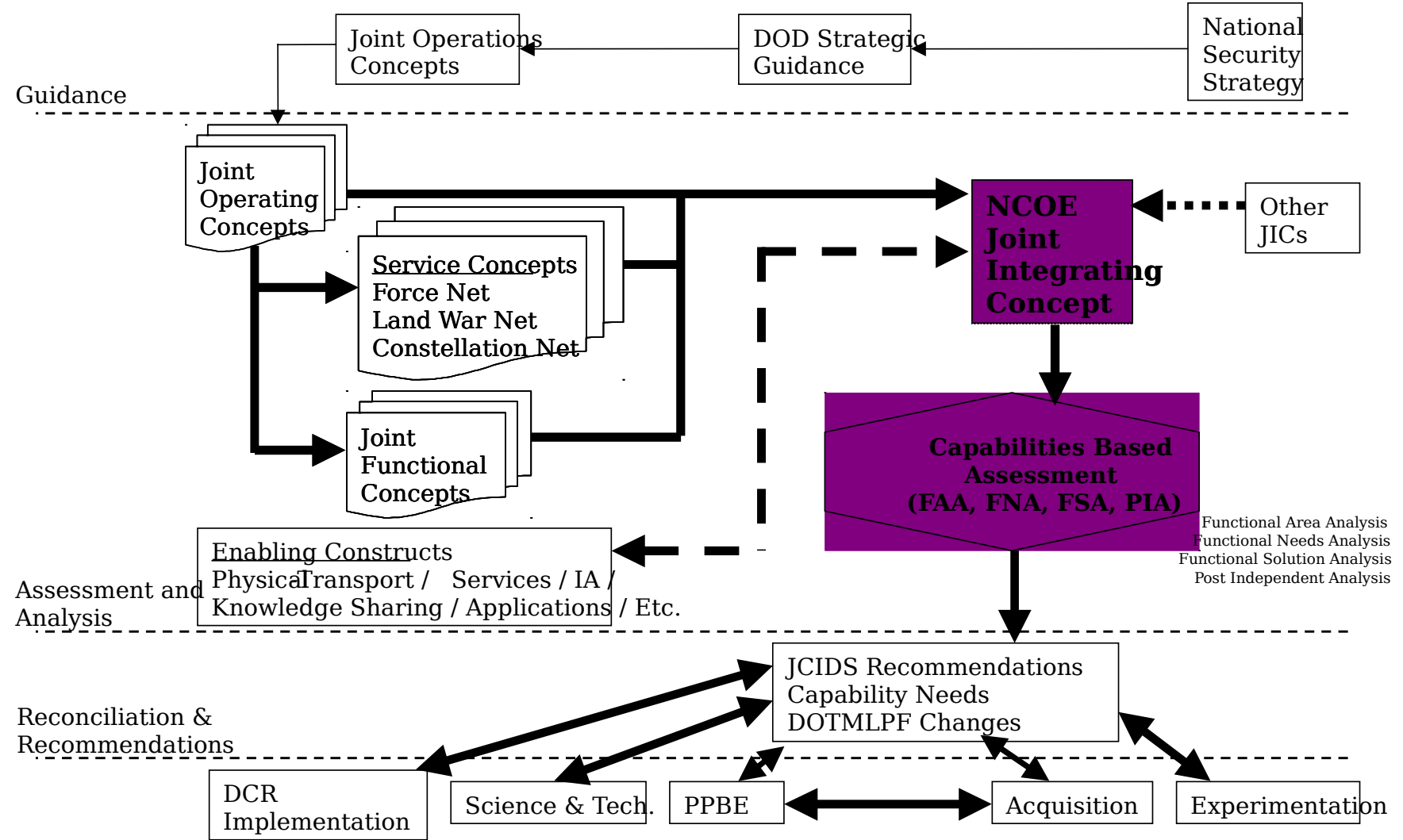
- **Task 1: Develop NCOE Joint Integrating Concept (JIC) and illustrative CONOPS which will serve as the basis for a Capabilities Based Assessment (CBA)**
- **Task 2: Develop Strategy, Terms of Reference (TOR), and Implementation Roadmap**
- **Task 3: Investigate Tiger Team Execution Solutions**

- ☒ **Endorse the Effort**
- ☒ **Thoughts or Comments on the Way Ahead**
 - **Brief DEPSECDEF?**
 - **Brief Service Secretaries?**
 - **Brief SLRG?**

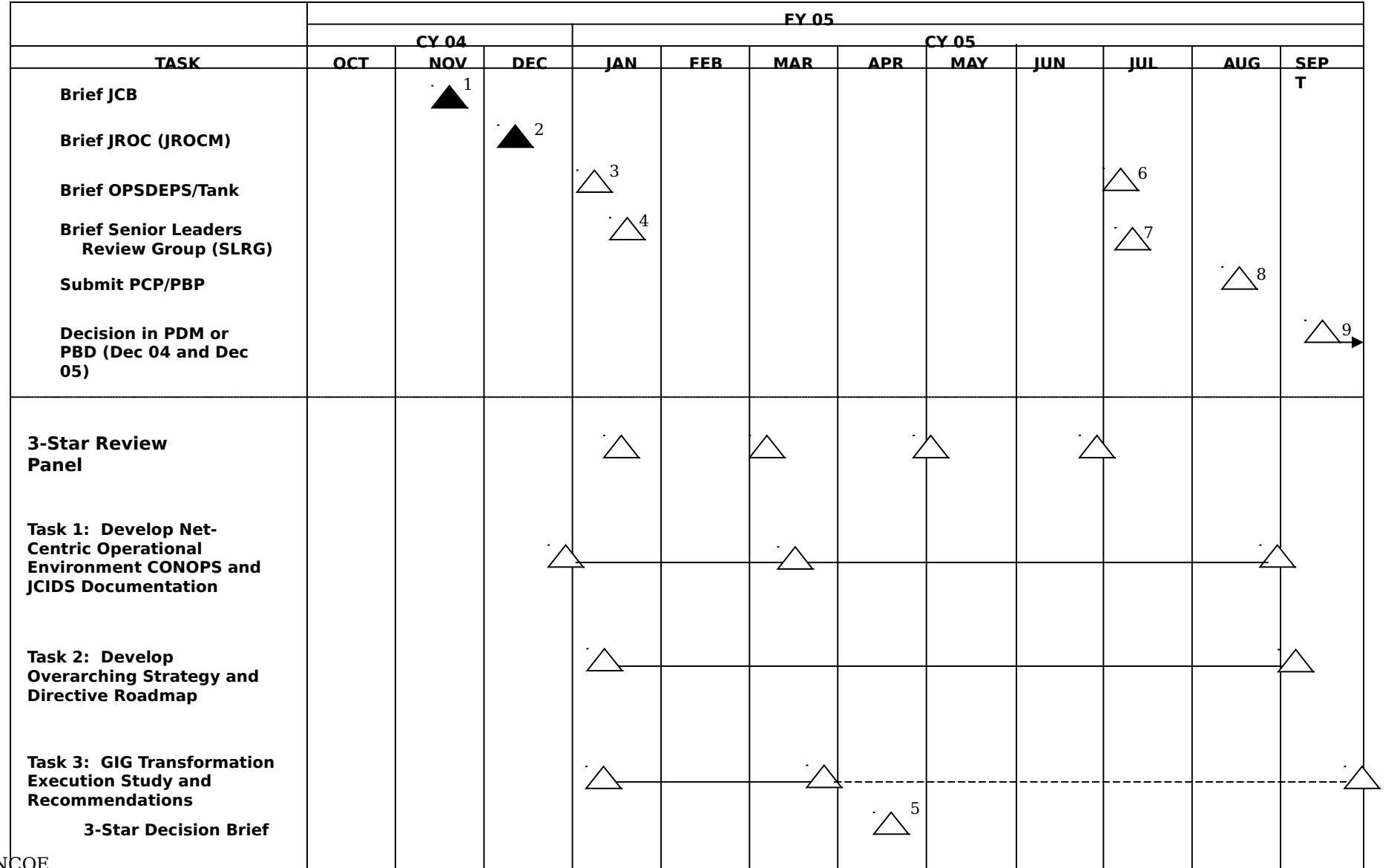
- **Task 1: Task 1: Develop NCOE Joint Integrating Concept (JIC) and illustrative CONOPS which will serve as the basis for a Capabilities Based Assessment (CBA)**
 - **NCOE Enablers CONOPS**
 - **JCIDS Documentation for NCOE Capabilities**
- **Task 2: Develop Strategy, TOR, and Implementation Roadmap**
 - **NCOE Overarching Strategy**
 - **Implementation Roadmap**
 - **Analysis Of Organizational Roles And Responsibilities Identifying Overlaps And Gaps**
 - **Recommended Specific Modifications To Existing Unified Command Plan (UCP), MIDs, Organization Charters And Other Appropriate DoD Policies**
- **Task 3: Investigate Tiger Team COAs and Alternative Solutions**
 - **Comparison Of Options With Recommendations**
 - **Implementation Plan**
 - **Recommended Language For Changes In DoD Policy And Required Changes In Legislation if needed**

Task 1: Develop NCOE JIC w/Illustrative CONOPS

Purpose: Develop a NCOE Joint Integrating Concept (JIC) with illustrative CONOPS to be the basis for a Capabilities Based Assessment (CBA).



NCOE Schedule of Events





Backup

AF	Air Force
AT&L	Acquisition, Technology and Logistics
C4	Command, Control, Communications, and Computers
COA	Course of Action
COCOM	Combatant Command
CONOPS	Concept of Operations
DISA	Defense Information Systems Agency
DOD	Department of Defense
GIG	Global Information Grid
GIG-BE	Global Information Grid - Bandwidth Expansion
IA	Information Assurance
JCB	Joint Capabilities Board
JCIDS	Joint Capabilities Integration and Development System
JFCOM	Joint Forces Command
JIC	Joint Integrating Concept
JNMS	Joint Network Management System
JPEO	Joint Program Executive Office
JROC	Joint Requirements Oversight Council
JS	Joint Staff
JTRS	Joint Tactical Radio System
MID	Management Initiative Decision
NCES	Net-Centric Enterprise Services
NCOE	Net-Centric Operational Environment
NII	Networks and Information Integration
NSA	National Security Agency
OSD	Office of the Secretary of Defense
SLRG	Senior Leaders Review Group
STRATCOM	Strategic Command
TOR	Terms of Reference
TSAT	Transformational Satellite Communications
UCP	Unified Command Plan